

We Claim:

1. In a sheet processing machine for processing sheets, the sheet processing machine having a turner device with a storage drum and a turner drum, a transfer drum disposed upstream of the turner device in a sheet transport direction, the transfer drum and the turner drum defining a common tangent extending from the transfer drum to the turner drum and having respective axes, a sheet-guiding device comprising:

at least one suction device being disposed in a region below the storage drum, in a region of the turner device, and on a side of the common tangent opposite the axes, said suction device having a configuration of suction fans disposed in a row next to one another, said suction fans being regulated as a function of at least one of the sheet to be processed and the sheet processing speed.

2. The sheet-guiding device according to claim 1, wherein the sheet-guiding device has an extent transverse with respect to the sheet transport direction approximately equal to a width of a cylinder.

3. The sheet-guiding device according to claim 1, wherein:

the storage drum has a first width and the turner drum has a second width; and

said suction device has an extent transverse with respect to the sheet transport direction approximately equal to a width of one of the group consisting of the first width and the second width.

4. The sheet-guiding device according to claim 1, wherein:

the storage drum and the turner drum has a width; and

said suction device has an extent transverse with respect to the sheet transport direction approximately equal to the width of the storage drum and the turner drum.

5. The sheet-guiding device according to claim 1, wherein:

the sheet processing machine has an impression cylinder disposed downstream of the turner device with respect to the sheet transport direction;

the storage drum is a impression cylinder/storage drum;

the impression cylinder/storage drum and the upstream transfer drum define a common transfer gap therebetween; and

the sheet-guiding device has an extent in the sheet transport direction extending at least from the downstream impression cylinder to the common transfer gap.

6. The sheet-guiding device according to claim 1, wherein:

the sheet processing machine has an impression cylinder disposed downstream of the turner device with respect to the sheet transport direction; and

the sheet-guiding device has an extent in the sheet transport direction extending at least from the downstream impression cylinder to the adjacent upstream transfer drum.

7. The sheet-guiding device according to claim 1, wherein:

the sheet processing machine has a cylinder disposed downstream of the turner device with respect to the sheet transport direction; and

at least one blower device is disposed in a region below at least one of the group consisting of the turner drum and the downstream cylinder.

8. The sheet-guiding device according to claim 1, wherein the downstream cylinder is an impression cylinder.

9. The sheet-guiding device according to claim 7, wherein said blower device has at least one row of blowing fans disposed transversely with respect to the sheet transport direction.

10. The sheet-guiding device according to claim 9, wherein said blowing fans are regulated as a function of at least one of the sheet to be processed and the sheet processing speed.

11. In a sheet processing machine for processing sheets, the sheet processing machine having a turner device with a storage drum and a turner drum, a transfer drum disposed upstream of the turner device in a sheet transport direction, a cylinder disposed downstream of the turner device with respect to the sheet transport direction, the transfer drum and the turner drum defining a common tangent extending from the transfer drum to the turner drum and having respective axes, a sheet-guiding device comprising:

at least one suction device disposed in a region below the storage drum, in a region of the turner device, and on a side of the common tangent opposite the axes, said suction device having a configuration of suction fans disposed in a row next to one another, said suction fans being regulated as a

function of at least one of the sheet to be processed and the sheet processing speed; and

at least one blower device disposed in a region below at least one of the group consisting of the turner drum and the downstream cylinder.

12. A printing press for processing sheets in a sheet transport direction at a processing speed, comprising:

a turner device with a storage drum and a turner drum;

a transfer drum disposed upstream of said turner device in the sheet transport direction, said transfer drum and said turner drum defining a common tangent extending from said transfer drum to said turner drum and having respective axes; and

a sheet-guiding device having:

at least one suction device disposed in a region below said storage drum, in a region of said turner device, and on a side of said common tangent opposite said axes, said suction device having a configuration of suction fans disposed in a row next to one another, said suction fans being regulated as a function of at least one of the sheet to be processed and the sheet processing speed.

13. In a sheet processing machine for processing sheets, the sheet processing machine having a turner device with a storage drum and a turner drum, a transfer drum disposed upstream of the turner device in a sheet transport direction, the transfer drum and the turner drum defining a common tangent extending from the transfer drum to the turner drum and having respective axes, a pneumatically actuated sheet-guiding device comprising:

at least one suction device being disposed in a region below the storage drum, in a region of the turner device, and on a side of the common tangent opposite the axes, said suction device having a configuration of suction fans disposed in a row next to one another, said suction fans being regulated as a function of at least one of the sheet to be processed and the sheet processing speed.